

SEQUENCE LISTING

<110> Urry, Dan

<120> Injectable Implants For Tissue Augmentation and Restoration

<130> BERL-020/04US

<150> US 09/258,723

<151> 1999-02-26

<150> US 60/087155

<151> 1998-05-29

<150> US 60/076297

<151> 1998-02-27

<160> 65

<170> PatentIn version 3.0

<210> 1

<211> 180

<212> DNA

<213> Artificial Sequence

<400> 1

gaggatccga agacaacagg tgggtgttccg ggcggcgtag cgggtggcgt accggggcgg 60

ttcccgggag gtgtgccggg tggggttcca ggcggtgtac cgggtgggtt tccgggcgg 120

gttccgggtg gagttccggg tggcgtgccg ggcggttttc caggaagtct tcggatccag 180

<210> 2

<211> 113

<212> DNA

<213> Artificial Sequence

<400> 2

gaggatccag gcgttggggg accgggtggt ggcgtaccgg gtaaagggtg cccgggcggt 60

gggtgtgccg gtgtaggctt tccgggtttc ggattcccag gcgttggatc cag 113

<210> 3

<211> 33

<212> DNA

<213> Artificial Sequence

<400> 3

taggggtacc gggtcgtggt gactctccg gcg 33

<210> 4

<211> 33

<212> DNA

<213> Artificial Sequence

<400> 4

cgcacccca tggcccagca ccactgagag gcc 33

TOEHO-TEETHO

gaggatccag gcgttgggggt accgggtgtt ggcgtaccgg gtgaagggtgt cccgggcggt 60
 ggtgtgccgg gtgtaggcgt tccgggtgtg ggagtcccag gcgttggatc c 111

<210> 9
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<400> 9

Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro
 1 5 10 15

Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro
 20 25 30

Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro
 35 40 45

<210> 10
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<400> 10

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
 1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
 20 25 30

<210> 11
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<400> 11

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly
 1 5 10

<210> 12
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<400> 12

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
 1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 20 25 30

<210> 13
 <211> 111
 <212> PRT
 <213> Artificial Sequence

FOECHO-122TH800

<400> 13

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30
Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45
Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
65 70 75 80
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95
Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
100 105 110

<210> 14

<211> 148

<212> PRT

<213> Artificial Sequence

<400> 14

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30
Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45
Val Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val
50 55 60
Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro
65 70 75 80
Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val
85 90 95
Ala Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
100 105 110
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
115 120 125
Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
130 135 140
Val Gly Val Pro
145

<210> 15
<211> 30
<212> PRT
<213> Artificial Sequence

<400> 15

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
20 25 30

<210> 16
<211> 4
<212> PRT
<213> Artificial Sequence

<400> 16

Val Pro Gly Gly
1

<210> 17
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 17

Val Pro Gly Val Gly
1 5

<210> 18
<211> 1255
<212> PRT
<213> Artificial Sequence

<400> 18

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
100 105 110

FOEHO:TEETHOO

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 115 120 125
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 130 135 140
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 145 150 155 160
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 165 170 175
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 180 185 190
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 195 200 205
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 210 215 220
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 225 230 235 240
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 245 250 255
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 260 265 270
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 275 280 285
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 290 295 300
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 305 310 315 320
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 325 330 335
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 340 345 350
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 355 360 365
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 370 375 380
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 385 390 395 400
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 405 410 415
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 420 425 430
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly

435

440

445

Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
	450					455					460				
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
465					470					475					480
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
				485					490					495	
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
			500					505					510		
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
		515					520					525			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
	530					535					540				
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
545					550					555					560
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
				565					570					575	
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
			580					585					590		
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
		595					600					605			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
	610					615					620				
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
625					630					635					640
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
				645					650					655	
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
			660					665					670		
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
		675					680					685			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
	690					695					700				
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
705					710					715					720
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
				725					730					735	
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
			740					745					750		
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
		755					760					765			

FOEHO:FEFBO

Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	770	775	780
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	785	790	795
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	805	810	815
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	820	825	830
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	835	840	845
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	850	855	860
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	865	870	875
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	885	890	895
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	900	905	910
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	915	920	925
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	930	935	940
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	945	950	955
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	965	970	975
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	980	985	990
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	995	1000	1005
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		1010	1015	1020
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		1025	1030	1035
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		1040	1045	1050
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		1055	1060	1065
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		1070	1075	1080

Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1085						1090					1095			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1100						1105					1110			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1115						1120					1125			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1130						1135					1140			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1145						1150					1155			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1160						1165					1170			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1175						1180					1185			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1190						1195					1200			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1205						1210					1215			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1220						1225					1230			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1235						1240					1245			
Val	Pro	Gly	Val	Gly	Val	Pro								
1250						1255								

<210> 19
 <211> 5
 <212> PRT
 <213> Artificial Sequence

 <220>
 <221> VARIANT
 <222> (4)..(4)
 <223> the residue at posiiton 4 is modified to have an electroresponsiv
 e side chai

<400> 19

Val	Pro	Gly	Xaa	Gly
1				5

<210> 20
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<400> 20

Gly Val Gly Val Pro

1

5

<210> 21
 <211> 166
 <212> PRT
 <213> Artificial Sequence

<400> 21

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 1 5 10 15
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 20 25 30
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 35 40 45
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 50 55 60
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 65 70 75 80
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 85 90 95
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 100 105 110
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 115 120 125
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 130 135 140
 Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
 145 150 155 160
 Gly Arg Gly Asp Ser Pro
 165

<210> 22
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<400> 22

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1 5 10 15
 Val Gly Val Pro Gly Glu Gly Val Pro
 20 25

<210> 23
 <211> 100
 <212> PRT
 <213> Artificial Sequence

<400> 23

Gly Ala Gly Gly Ala Thr Cys Cys Gly Ala Ala Gly Ala Cys Ala Ala
 1 5 10 15
 Cys Ala Gly Gly Thr Gly Gly Thr Gly Thr Thr Cys Cys Gly Gly Gly
 20 25 30
 Cys Gly Gly Cys Gly Thr Ala Cys Cys Gly Gly Gly Thr Gly Gly Cys
 35 40 45
 Gly Thr Ala Cys Cys Gly Gly Gly Cys Gly Gly Thr Thr Thr Cys Cys
 50 55 60
 Cys Gly Gly Gly Ala Gly Gly Thr Gly Thr Gly Cys Cys Gly Gly Gly
 65 70 75 80
 Thr Gly Gly Gly Gly Thr Thr Cys Cys Ala Gly Gly Cys Gly Gly Thr
 85 90 95
 Gly Thr Ala Cys
 100

<210> 24
 <211> 100
 <212> DNA
 <213> Artificial Sequence

<400> 24
 ctggatccga agacttctg gaaaaccgcc cggcacgcca cccggaactc caccggaac 60
 accgcccgga aaccacccg gtacaccgcc tggaacccca 100

<210> 25
 <211> 635
 <212> PRT
 <213> Artificial Sequence

<400> 25
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
 1 5 10 15
 Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
 20 25 30
 Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly
 35 40 45
 Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val
 50 55 60
 Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro
 65 70 75 80
 Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly
 85 90 95
 Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val
 100 105 110

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly
 115 120 125
 Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe
 130 135 140
 Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 145 150 155 160
 Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly
 165 170 175
 Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys
 180 185 190
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly
 195 200 205
 Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val
 210 215 220
 Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
 225 230 235 240
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
 245 250 255
 Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
 260 265 270
 Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly
 275 280 285
 Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val
 290 295 300
 Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro
 305 310 315 320
 Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly
 325 330 335
 Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val
 340 345 350
 Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly
 355 360 365
 Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe
 370 375 380
 Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 385 390 395 400
 Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly
 405 410 415
 Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys
 420 425 430
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly

	435		440		445	
Phe	Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Lys Gly Val			
	450	455	460			
Pro Gly Val Gly Val	Pro Gly Val Gly Phe	Pro Gly Phe Gly Phe	Pro			
465	470	475	480			
Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Lys Gly Val	Pro Gly			
	485	490	495			
Val Gly Val	Pro Gly Val Gly Phe	Pro Gly Phe Gly Phe	Pro Gly Val			
	500	505	510			
Gly Val	Pro Gly Val Gly Val	Pro Gly Lys Gly Val	Pro Gly Val Gly			
	515	520	525			
Val	Pro Gly Val Gly Phe	Pro Gly Phe Gly Phe	Pro Gly Val Gly Val			
	530	535	540			
Pro Gly Val Gly Val	Pro Gly Lys Gly Val	Pro Gly Val Gly Val	Pro			
545	550	555	560			
Gly Val Gly Phe	Pro Gly Phe Gly Phe	Pro Gly Val Gly Val	Pro Gly			
	565	570	575			
Val Gly Val	Pro Gly Lys Gly Val	Pro Gly Val Gly Val	Pro Gly Val			
	580	585	590			
Gly Phe	Pro Gly Phe Gly Phe	Pro Gly Val Gly Val	Pro Gly Val Gly			
	595	600	605			
Val	Pro Gly Lys Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly Phe			
	610	615	620			
Pro Gly Phe Gly Phe	Pro Gly Val Gly Val	Pro				
625	630	635				
<210>	26					
<211>	66					
<212>	DNA					
<213>	Artificial Sequence					
<400>	26					
gaggatccag gcgttggggg accgggtgtt ggcgatccgg gtaaagggtg cccgggggtg						60
gtgtgc						66
<210>	27					
<211>	66					
<212>	DNA					
<213>	Artificial Sequence					
<400>	27					
ctggatccaa cgcctgggaa tccgaaaccc ggaaagccta caccgggcac accaacgccc						60
gggaca						66
<210>	28					

<211> 6
 <212> PRT
 <213> Artificial Sequence

<400> 28

Gly Arg Gly Asp Ser Pro
 1 5

<210> 29
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<400> 29

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 35 40 45

Val Pro
 50

<210> 30
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<400> 30
 ctggatccag accatgggcg tt 22

<210> 31
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<400> 31
 ggcgttggtg taccgtaagc ttgaattcgg atccag 36

<210> 32
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<400> 32
 gacctaggtc tggtagccgc aa 22

<210> 33
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<400> 33

ccgcaaccac atggcattcg aacttaagcc taggtc

36

<210> 34
<211> 2003
<212> PRT
<213> Artificial Sequence

<400> 34

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
100 105 110

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
115 120 125

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
130 135 140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
145 150 155 160

Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val
165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
210 215 220

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
260 265 270

FOEHO=FEHBO

Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro
275 280 285

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
290 295 300

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
305 310 315 320

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
325 330 335

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
340 345 350

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
355 360 365

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
370 375 380

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly
385 390 395 400

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
405 410 415

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
420 425 430

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
435 440 445

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
450 455 460

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
465 470 475 480

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
485 490 495

Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly

595					600					605					
Val	Pro	Gly	Arg	Gly	Asp	Ser	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
610					615					620					
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
625					630					635					640
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
				645					650					655	
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
			660					665					670		
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
	675					680					685				
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
690					695					700					
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
705					710					715					720
Pro	Gly	Arg	Gly	Asp	Ser	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
				725					730					735	
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
			740					745					750		
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
		755					760					765			
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
	770					775					780				
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
785					790					795					800
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
			805					810					815		
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
			820					825					830		
Gly	Arg	Gly	Asp	Ser	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
		835					840					845			
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
	850					855					860				
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
865						870					875				880
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
			885					890					895		
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
			900					905					910		
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
		915					920					925			

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
930 935 940

Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
945 950 955 960

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
965 970 975

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
980 985 990

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
995 1000 1005

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
1010 1015 1020

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
1025 1030 1035

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
1040 1045 1050

Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly
1055 1060 1065

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1070 1075 1080

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1085 1090 1095

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1100 1105 1110

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1115 1120 1125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1130 1135 1140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1145 1150 1155

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val
1160 1165 1170

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
1175 1180 1185

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
1190 1195 1200

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
1205 1210 1215

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
1220 1225 1230

Gly Val	Pro Gly	Val Gly	Val	Pro Gly	Val Gly	Val	Pro Gly	Val	Gly Val	Pro Gly	Val
1235						1240				1245	
Gly Val	Pro Gly	Val Gly	Val	Pro Gly	Val Gly	Val	Pro Gly	Val	Gly Val	Pro Gly	Val
1250						1255				1260	
Gly Val	Pro Gly	Val Gly	Val	Pro Gly	Val Gly	Val	Pro Gly	Val	Gly Val	Pro Gly	Arg
1265						1270				1275	
Gly Asp	Ser Pro	Gly Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro Gly		
1280						1285				1290	
Val Gly	Val Pro	Gly Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro Gly		
1295						1300				1305	
Val Gly	Val Pro	Gly Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro Gly		
1310						1315				1320	
Val Gly	Val Pro	Gly Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro Gly		
1325						1330				1335	
Val Gly	Val Pro	Gly Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro Gly		
1340						1345				1350	
Val Gly	Val Pro	Gly Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro Gly		
1355						1360				1365	
Val Gly	Val Pro	Gly Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro Gly		
1370						1375				1380	
Val Gly	Val Pro	Gly Arg	Gly	Asp Ser	Pro Gly	Val	Gly	Val	Pro		
1385						1390				1395	
Gly Val	Gly Val	Pro Gly	Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro	
1400						1405				1410	
Gly Val	Gly Val	Pro Gly	Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro	
1415						1420				1425	
Gly Val	Gly Val	Pro Gly	Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro	
1430						1435				1440	
Gly Val	Gly Val	Pro Gly	Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro	
1445						1450				1455	
Gly Val	Gly Val	Pro Gly	Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro	
1460						1465				1470	
Gly Val	Gly Val	Pro Gly	Val	Gly	Val	Pro Gly	Val	Gly	Val	Pro	
1475						1480				1485	
Gly Val	Gly Val	Pro Gly	Val	Gly	Val	Pro Gly	Arg	Gly	Asp Ser		
1490						1495				1500	
Pro Gly	Val Gly	Val Pro	Gly	Val	Gly	Val Pro	Gly	Val	Gly	Val	
1505						1510				1515	
Pro Gly	Val Gly	Val Pro	Gly	Val	Gly	Val Pro	Gly	Val	Gly	Val	
1520						1525				1530	
Pro Gly	Val Gly	Val Pro	Gly	Val	Gly	Val Pro	Gly	Val	Gly	Val	

1535	1540	1545
Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly Val
1550	1555	1560
Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly Val
1565	1570	1575
Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly Val
1580	1585	1590
Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly Val
1595	1600	1605
Pro Gly Arg Gly Asp Ser	Pro Gly Val Gly Val	Pro Gly Val Gly
1610	1615	1620
Val Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly
1625	1630	1635
Val Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly
1640	1645	1650
Val Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly
1655	1660	1665
Val Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly
1670	1675	1680
Val Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly
1685	1690	1695
Val Pro Gly Val Gly Val	Pro Gly Val Gly Val	Pro Gly Val Gly
1700	1705	1710
Val Pro Gly Val Gly Val	Pro Gly Arg Gly Asp Ser	Pro Gly Val
1715	1720	1725
Gly Val Pro Gly Val Gly	Val Pro Gly Val Gly	Val Pro Gly Val
1730	1735	1740
Gly Val Pro Gly Val Gly	Val Pro Gly Val Gly	Val Pro Gly Val
1745	1750	1755
Gly Val Pro Gly Val Gly	Val Pro Gly Val Gly	Val Pro Gly Val
1760	1765	1770
Gly Val Pro Gly Val Gly	Val Pro Gly Val Gly	Val Pro Gly Val
1775	1780	1785
Gly Val Pro Gly Val Gly	Val Pro Gly Val Gly	Val Pro Gly Val
1790	1795	1800
Gly Val Pro Gly Val Gly	Val Pro Gly Val Gly	Val Pro Gly Val
1805	1810	1815
Gly Val Pro Gly Val Gly	Val Pro Gly Val Gly	Val Pro Gly Arg
1820	1825	1830
Gly Asp Ser Pro Gly Val	Gly Val Pro Gly Val	Gly Val Pro Gly
1835	1840	1845

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1850 1855 1860

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1865 1870 1875

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1880 1885 1890

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1895 1900 1905

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1910 1915 1920

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1925 1930 1935

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro
1940 1945 1950

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
1955 1960 1965

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
1970 1975 1980

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
1985 1990 1995

Gly Val Gly Val Pro
2000

<210> 35

<211> 1085

<212> PRT

<213> Artificial Sequence

<400> 35

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val
100 105 110

Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	115	120	125
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	130	135	140
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	145	150	155
Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	165	170	175
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	180	185	190
Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	195	200	205
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	210	215	220
Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	225	230	235
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	245	250	255
Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	260	265	270
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	275	280	285
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	290	295	300
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	305	310	315
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	325	330	335
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	340	345	350
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	355	360	365
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	370	375	380
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	385	390	395
Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	405	410	415
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	420	425	430

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
435 440 445

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
450 455 460

Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
485 490 495

Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
595 600 605

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val
610 615 620

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
625 630 635 640

Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly
645 650 655

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
660 665 670

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
675 680 685

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
690 695 700

Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
705 710 715 720

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
725 730 735

Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
740 745 750

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly

755					760					765				
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
770					775					780				
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val
785					790					795				800
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
				805					810					815
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly
			820					825					830	
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
		835					840					845		
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly
850					855					860				
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
865					870					875				880
Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
				885					890					895
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
			900					905					910	
Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
915					920					925				
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
930					935					940				
Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val
945					950					955				960
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro
				965					970					975
Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
				980					985					990
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys
995					1000					1005				
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1010					1015					1020				
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly
1025					1030					1035				
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1040					1045					1050				
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly
1055					1060					1065				
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
1070					1075					1080				

Val Pro
1085

<210> 36

<211> 635

<212> PRT

<213> Artificial Sequence

<400> 36

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val
100 105 110

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly
115 120 125

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe
130 135 140

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
145 150 155 160

Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly
165 170 175

Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys
180 185 190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly
195 200 205

Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val
210 215 220

Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
245 250 255

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
260 265 270

FOR THE

Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	275	280	285
Val	Pro	Gly	Val	Gly	Phe	Pro	Gly	Phe	Gly	Phe	Pro	Gly	Val	Gly	Val	290	295	300
Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	305	310	315
Gly	Val	Gly	Phe	Pro	Gly	Phe	Gly	Phe	Pro	Gly	Val	Gly	Val	Pro	Gly	325	330	335
Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	340	345	350
Gly	Phe	Pro	Gly	Phe	Gly	Phe	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	355	360	365
Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Phe	370	375	380
Pro	Gly	Phe	Gly	Phe	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	385	390	395
Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Phe	Pro	Gly	405	410	415
Phe	Gly	Phe	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	420	425	430
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Phe	Pro	Gly	Phe	Gly	435	440	445
Phe	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	450	455	460
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Phe	Pro	Gly	Phe	Gly	Phe	Pro	465	470	475
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	485	490	495
Val	Gly	Val	Pro	Gly	Val	Gly	Phe	Pro	Gly	Phe	Gly	Phe	Pro	Gly	Val	500	505	510
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	515	520	525
Val	Pro	Gly	Val	Gly	Phe	Pro	Gly	Phe	Gly	Phe	Pro	Gly	Val	Gly	Val	530	535	540
Pro	Gly	Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	545	550	555
Gly	Val	Gly	Phe	Pro	Gly	Phe	Gly	Phe	Pro	Gly	Val	Gly	Val	Pro	Gly	565	570	575
Val	Gly	Val	Pro	Gly	Lys	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	580	585	590

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly
595 600 605

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe
610 615 620

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro
625 630 635

<210> 37

<211> 782

<212> PRT

<213> Artificial Sequence

<400> 37

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
100 105 110

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
115 120 125

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
130 135 140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
145 150 155 160

Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val
165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
210 215 220

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 245 250 255
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 260 265 270
 Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro
 275 280 285
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 290 295 300
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 305 310 315 320
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 325 330 335
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 340 345 350
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 355 360 365
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 370 375 380
 Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly
 385 390 395 400
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 405 410 415
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 420 425 430
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 435 440 445
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 450 455 460
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 465 470 475 480
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 485 490 495
 Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val
 500 505 510
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 515 520 525
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 530 535 540
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 545 550 555 560
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly

TOEHO: FEFHBO

565						570						575						
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	
			580							585							590	
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	
			595							600							605	
Val	Pro	Gly	Arg	Gly	Asp	Ser	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	
			610							615							620	
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	
			625							630							635	640
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	
			645							650							655	
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	
			660							665							670	
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	
			675							680							685	
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	
			690							695							700	
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	
			705							710							715	720
Pro	Gly	Arg	Gly	Asp	Ser	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	
			725							730							735	
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	
			740							745							750	
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Gly	Val	Pro	Gly	
			755							760							765	
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro					
			770							775							780	

<210> 38
 <211> 745
 <212> PRT
 <213> Artificial Sequence

<400> 38

Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly
1				5				10				15			
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val
			20				25				30				
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly
			35				40				45				
Val	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val
			50				55				60				
Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro

65					70						75					80
Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	
				85						90				95		
Ala	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	
			100					105					110			
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	
		115					120					125				
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	
	130					135					140					
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	
145					150				155						160	
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	
			165					170					175			
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	
		180					185					190				
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	
		195					200					205				
Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	
		210				215					220					
Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	
225					230				235						240	
Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	
			245					250					255			
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	
		260					265					270				
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	
	275					280					285					
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	
	290					295					300					
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	
305					310					315					320	
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	
			325					330					335			
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Ala	Pro	
		340					345					350				
Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	
	355						360					365				
Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	
	370					375					380					
Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Pro	Gly	
385					390				395						400	

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
725 730 735

Val Gly Val Pro Gly Val Gly Val Pro
740 745

<210> 39
<211> 1085
<212> PRT
<213> Artificial Sequence

<400> 39

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
115 120 125

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
130 135 140

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
145 150 155 160

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
165 170 175

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
180 185 190

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
195 200 205

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
210 215 220

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
245 250 255

FEED: FEED

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 260 265 270
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 275 280 285
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 290 295 300
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 305 310 315 320
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 325 330 335
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
 340 345 350
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 355 360 365
 Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 370 375 380
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 385 390 395 400
 Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 405 410 415
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 420 425 430
 Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 435 440 445
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 450 455 460
 Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 465 470 475 480
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 485 490 495
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 500 505 510
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 515 520 525
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 530 535 540
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 545 550 555 560
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 565 570 575
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val

FOEHO-TEETHBO

580						585						590					
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		
		595					600					605					
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Glu	Gly	Val	Pro	Gly	Val	Gly	Val		
	610					615					620						
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro		
625					630					635					640		
Gly	Val	Gly	Val	Pro	Gly	Glu	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly		
				645					650					655			
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val		
			660					665					670				
Gly	Val	Pro	Gly	Glu	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		
		675					680					685					
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val		
	690					695					700						
Pro	Gly	Glu	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro		
705					710					715					720		
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly		
				725					730					735			
Glu	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val		
			740					745					750				
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Glu	Gly		
		755					760					765					
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val		
	770					775					780						
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Glu	Gly	Val	Pro		
785					790					795					800		
Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly		
				805					810					815			
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Glu	Gly	Val	Pro	Gly	Val		
			820					825					830				
Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly		
		835					840					845					
Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Glu	Gly	Val	Pro	Gly	Val	Gly	Val		
	850					855					860						
Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro		
865					870					875					880		
Gly	Val	Gly	Val	Pro	Gly	Glu	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly		
				885					890					895			
Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val	Gly	Val	Pro	Gly	Val		
			900					905					910				

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
915 920 925

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
930 935 940

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
945 950 955 960

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
965 970 975

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
980 985 990

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
995 1000 1005

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1010 1015 1020

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
1025 1030 1035

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1040 1045 1050

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
1055 1060 1065

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1070 1075 1080

Val Pro
1085

<210> 40
<211> 605
<212> PRT
<213> Artificial Sequence

<400> 40

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	100			105		110	
Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	115			120		125	
Val Pro Gly	Val Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	130			135		140	
Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
	145			150		155	160
Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
		165		170		175	
Val Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	180			185		190	
Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	195			200		205	
Val Pro Gly	Val Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	210			215		220	
Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
	225			230		235	240
Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
		245		250		255	
Val Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	260			265		270	
Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	275			280		285	
Val Pro Gly	Val Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	290			295		300	
Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
	305			310		315	320
Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
		325		330		335	
Val Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	340			345		350	
Gly Val	Pro Gly Val	Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	355			360		365	
Val Pro Gly	Val Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val
	370			375		380	
Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
	385			390		395	400
Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Gly Val	Pro Gly Val	Pro Gly Val
		405		410		415	

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 420 425 430
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 435 440 445
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 450 455 460
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 465 470 475 480
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 485 490 495
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 500 505 510
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 515 520 525
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 530 535 540
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 545 550 555 560
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 565 570 575
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 580 585 590
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 595 600 605

<210> 41
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<400> 41

Gly Gly Val Pro
1

<210> 42
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<400> 42

Gly Gly Phe Pro
1

<210> 43
 <211> 5
 <212> PRT
 <213> Artificial Sequence

TOECHO = TEEHBOO

<400> 43

Gly Lys Gly Val Pro
1 5

<210> 44

<211> 5

<212> PRT

<213> Artificial Sequence

<400> 44

Gly Val Gly Phe Pro
1 5

<210> 45

<211> 5

<212> PRT

<213> Artificial Sequence

<400> 45

Gly Phe Gly Phe Pro
1 5

<210> 46

<211> 6

<212> PRT

<213> Artificial Sequence

<400> 46

Gly Arg Gly Asp Ser Pro
1 5

<210> 47

<211> 6

<212> PRT

<213> Artificial Sequence

<400> 47

Gly Val Gly Val Ala Pro
1 5

<210> 48

<211> 5

<212> PRT

<213> Artificial Sequence

<400> 48

Gly Glu Gly Val Pro
1 5

<210> 49

<211> 5

<212> PRT

<213> Artificial Sequence

<400> 49

TOE240:FEET360

Gly Phe Gly Val Pro
1 5

<210> 50
<211> 4
<212> PRT
<213> Artificial Sequence

<400> 50

Gly Gly Ala Pro
1

<210> 51
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 51

Gly Val Gly Ile Pro
1 5

<210> 52
<211> 6
<212> PRT
<213> Artificial Sequence

<400> 52

Val Gly Val Ala Pro Gly
1 5

<210> 53
<211> 106
<212> PRT
<213> Artificial Sequence

<400> 53

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Arg Gly Asp Ser Pro
100 105

FOE40-TEETH60

<210> 54
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<400> 54

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
 1 5 10 15

Val Gly Phe Pro Gly Phe Gly Phe Pro
 20 25

<210> 55
 <211> 1300
 <212> PRT
 <213> Artificial Sequence

<400> 55

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
 1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
 20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
 35 40 45

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
 50 55 60

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
 65 70 75 80

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
 85 90 95

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
 100 105 110

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
 115 120 125

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
 130 135 140

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
 145 150 155 160

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
 165 170 175

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
 180 185 190

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
 195 200 205

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile

TOEHD: TEEF1860

210					215					220						
Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	
225					230					235					240	
Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	
				245					250					255		
Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	
			260					265					270			
Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	
		275					280					285				
Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	
	290					295					300					
Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	
305					310					315					320	
Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	
				325					330					335		
Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	
			340					345					350			
Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	
		355					360					365				
Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	
	370					375					380					
Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	
385					390					395					400	
Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	
				405					410					415		
Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	
			420					425					430			
Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	
		435					440					445				
Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	
	450					455					460					
Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	
465					470					475					480	
Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	
				485					490					495		
Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	
			500					505					510			
Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	
		515					520					525				
Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	Pro	Gly	Val	Gly	Ile	
	530					535					540					

Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
545	550	555	560
Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
565	570	575	
Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
580	585	590	
Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
595	600	605	
Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
610	615	620	
Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
625	630	635	640
Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
645	650	655	
Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
660	665	670	
Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
675	680	685	
Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
690	695	700	
Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
705	710	715	720
Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
725	730	735	
Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
740	745	750	
Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
755	760	765	
Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
770	775	780	
Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
785	790	795	800
Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
805	810	815	
Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
820	825	830	
Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
835	840	845	
Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile	Pro Gly Val Gly Ile
850	855	860	

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
65 70 75 80

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
85 90 95

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
100 105 110

<210> 58
<211> 111
<212> PRT
<213> Artificial Sequence

<400> 58

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
100 105 110

<210> 59
<211> 45
<212> PRT
<213> Artificial Sequence

<400> 59

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro
35 40 45

<210> 60
<211> 111
<212> PRT
<213> Artificial Sequence

FOE240-FCF350

<400> 60

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Phe
65 70 75 80

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95

Gly Lys Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
100 105 110

<210> 61

<211> 25

<212> PRT

<213> Artificial Sequence

<400> 61

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Lys Gly Val Pro
20 25

<210> 62

<211> 50

<212> PRT

<213> Artificial Sequence

<400> 62

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
1 5 10 15

Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly
35 40 45

Phe Pro
50

<210> 63

<211> 30

<212> DNA

<213> Artificial Sequence

<400> 63

FEEDBACK

